



**Professional Services Agreement
CITY OF AUSTIN
RECOMMENDATION FOR COUNCIL ACTION**

AGENDA ITEM NO.: 12
AGENDA DATE: Thu 10/27/2005
PAGE: 1 of 4

SUBJECT: Authorize negotiation and execution of a professional services agreement with MALCOLM PIRNIE, INC., Austin, TX for preliminary engineering and design services for the Davis Water Treatment Plant Flocculator Improvements Project in an amount not to exceed \$400,000.

AMOUNT & SOURCE OF FUNDING: Funding is included in the Fiscal Year 2005-2006 Capital Budget of the Austin Water Utility.

FISCAL NOTE: A fiscal note is attached.

REQUESTING	Public Works	DIRECTOR'S
DEPARTMENT:	for Austin Water Utility;	AUTHORIZATION: <u>Sondra Creighton</u>

FOR MORE INFORMATION CONTACT: Keri R. Burchard-Juarez, 974-7298; Felix Benavides, 972-7027; Laura Bohl, 974-7064

PRIOR COUNCIL ACTION: N/A

BOARD AND COMMISSION ACTION: Recommended by the Water and Wastewater Commission.

PURCHASING: Best statement of qualifications of four received.

MBE / WBE: 15.90% MBE and 14.20% WBE subconsultant participation.

The City of Austin operates three water treatment plants utilizing surface water resources from impoundments of the Colorado River. The Davis Water Treatment Plant (WTP) was constructed in 1954 and expanded in 1961 and 1973, with additional improvements in 1986, 1993, 1997, 2000, 2002 and 2003.

The Davis WTP has a rated treatment capacity of 120 million gallons per day (MGD). As installed in 1997, the flocculator system consists of nine basins with one basin preceding each of the nine sedimentation basins. Currently, three primary maintenance problems exist for this system: excessive shaft wear, stuffing box leakage and excessive bearing wear.

The selected consultant will review the 1997 design/installation to determine the cause of the poor flocculator performance and what modifications to the existing system could be made to minimize stuffing box leakage, prolong bearing life and improve existing system operations. An option to replace the current system will also be developed for comparison. The evaluation should determine life cycle costs and system useful life for both the existing system modifications and a new installation to determine the most cost effective solution.

Other associated improvements to this project may include flocculator gallery drain system improvements to maintain a dry flocculator gallery and provide safe access to the flocculator basins for maintenance personnel.

All work must be included to result in a fully operational, maintainable and cost effective flocculator system that can treat water that not only meets the drinking water regulations, but also the goals of the



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Austin Water Utility and Davis WTP. The consultant will 1) prepare a preliminary engineering report that determines the base cause of the current maintenance problems, presents modification and replacement options with associated estimated life cycle costs, and estimates the anticipated remaining and/or new useful life of each option; and 2) complete, detailed design drawings and specifications for bid and construction of the flocculator improvements option selected.

This authorization provides for funding of services related to preliminary engineering and design services. Based on the results of the preliminary and design phase recommendation, staff may return to Council for additional authorization of funds for construction phase services.

This request allows for the development of a professional services agreement with the recommended firm. Should the City be unsuccessful in negotiating a satisfactory agreement with the recommended firm, negotiations will cease with that firm. Staff will then return to Council and request authorization to begin negotiations with the alternate recommendation listed below.

Participation subgoals stated in the solicitation were 1.7% African American; 9.5% Hispanic; 4.7% Asian Americans and 14.2% WBE. The recommended and alternate firms provided an M/WBE Compliance Plan that was approved by the Department of Small and Minority Business Resources.

Notification of issuance of a Request for Qualifications (RFQ) for the subject services was sent to 258 firms on July 11, 2005. The RFQ was obtained by 23 firms and four firms submitted qualification statements. None of the firms were certified M/WBE firms. Of the four firms evaluated, two firms were short-listed and interviewed. Interviewing the short-listed firms results in the following recommendation:



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RECOMMENDED FIRM: MALCOLM PIRNIE, INC., AUSTIN, TX – Total Participation:

<u>NON M/WBE TOTAL – PRIME</u>	<u>59.90%</u>
Malcolm Pirnie, Inc., Austin, TX	59.90%

<u>MBE TOTAL – SUBCONSULTANTS</u>	<u>15.90</u>
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<u>African American Subtotal</u>	<u>1.70%</u>
(FB) Carter Design Associates, Inc., Austin, TX (drafting services)	1.70%

<u>Hispanic Subtotal</u>	<u>9.50%</u>
(MH) Jose I. Guerra, Inc., Austin, TX (structural engineering)	9.50%

<u>Asian American Subtotal</u>	<u>4.70%</u>
(MA) Encotech Engineering Consultants, Inc., Austin, TX mechanical engineering)	4.70%

<u>WBE TOTAL – SUBCONSULTANTS</u>	<u>14.20%</u>
(FR) Harutunian Engineering, Inc., Austin, TX (electrical and instrumentation engineering)	14.20%

<u>NON M/WBE TOTAL – SUBCONSULTANTS</u>	<u>10.00%</u>
Engineering Systems, Inc., Kingwood, TX (forensics, rotating equipment)	



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ALTERNATE FIRM: CH2M HILL, INC., AUSTIN, TX – Total Participation:

<u>NON M/WBE TOTAL – PRIME</u>	<u>55.90%</u>
CH2M Hill, Inc., Austin, TX	55.90%

<u>MBE TOTAL – SUBCONSULTANTS</u>	<u>15.90</u>
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<u>African American Subtotal</u>	<u>1.70%</u>
(FB) CPM Consultants, Austin, TX (project scheduling)	1.70%

<u>Hispanic Subtotal</u>	<u>9.50%</u>
(MH) Jose I. Guerra, Inc., Austin, TX (structural and mechanical engineering)	9.50%

<u>Asian American Subtotal</u>	<u>4.70%</u>
(MA) Gupta and Assoc., Inc., Dallas, TX (electrical and instrumentation engineering)	4.70%

<u>WBE TOTAL – SUBCONSULTANTS</u>	<u>14.20%</u>
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(FR) K. Friese & Assoc., Inc., Austin, TX (computer assisted design)	12.20%
(FR) Dynamic Reprographics, Inc., Austin, TX (copying services)	2.00%

<u>NON M/WBE TOTAL – SUBCONSULTANTS</u>	<u>14.00%</u>
Lockwood Andrews & Newnam, Inc., Austin, TX (mechanical engineering)	14.00%

**Public Works Department
Evaluation of Consultant Qualifications**

Composite

Received:

August 9, 2005

Project:

Davis Water Treatment Plant Flocculator Improvements

EVALUATION MATRIX

Project Manager:

Patricia Wadsack / James King

Firm (or Joint Venture)	Item 1 [Yes or No] M/WBE Goals met or G.F.E.	Item 2 [Yes or No] Prime Firm's EEO Program	Item 3 [24] Experience of Project Manager [10] Principal [6] Engineer [8]	Item 4 [15] Experience and Availability of Proposed Staff	Item 5 [15 w/subs] [30 w/o subs] Prime Firm's Comparable Project Experience	Item 6 [15 w/subs] [0 w/o subs] Subconsultant Firm's Comparable Project Experience	Item 7 [8] Team's Experience with Austin Issues	Item 8 [12] Team's Structure and Project Approach	Item 9 [11] COA Experience with Prime	Item 10 [100] SUB TOTAL	Optional Interview [25]	TOTAL POINTS [125]
Malcolm Pirnie	Yes	Yes	19.2	12	13.8	12.2	7.8	11.6	11	87.6	21.9	109.5
CH2M Hill, Inc.	Yes	Yes	19.4	12.8	13.4	11.8	7.4	10.2	11	86	19.1	105.1
Chiang, Patel & Yerby, Inc. (CP&Y)	No	Yes	18.2	10.2	12.6	9.8	6.8	10.6	11	79.2		79.2
Thorndorf Consulting Engineers, Inc. (TCE)	Yes	Yes	14.6	9.6	10	10.2	6.8	8.4	11	70.6		70.6

CIP FISCAL NOTE

DATE OF COUNCIL CONSIDERATION:
WHERE ON AGENDA:
DEPARTMENT:

10/20/05
Resolution
Austin Water Utility

DESCRIPTION:

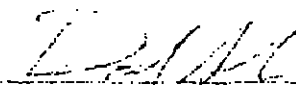
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FINANCIAL INFORMATION:

Parent Project Name:	Water Unfunded Future
Project Authorization:	2005-06 Approved Capital Budget
Funding Source:	Commercial Paper
Number:	3960 227 1019

Current Appropriation	\$ 298,783,739.00
Unencumbered Balance	84,072,117.63
Amount of This Action	<u>(400,000.00)</u>
Remaining Balance	<u>\$ 83,672,117.63</u>
Current Available Balance	\$ 91,105,581.57
Less Outstanding Commitments	<u>(7,033,463.94)</u>
Estimated Unencumbered Balance	<u>\$ 84,072,117.63</u>

Utility Finance:


David Anders, Utility Finance Manager

Date:

9/20/05

REF. # 3960 227 7141

No. 100505-C
WATER AND WASTEWATER COMMISSION RESOLUTION
**PROFESSIONAL SERVICES AGREEMENT WITH MALCOLM PIRNIE, INC. FOR PRELIMINARY
ENGINEERING AND DESIGN SERVICES FOR THE DAVIS WATER TREATMENT PLANT
FLOCCULATOR IMPROVEMENTS IN AN AMOUNT NOT TO EXCEED \$400,000.00**

**October 5, 2005
REGULAR MEETING
VOTE: 8-0-0-1**

Motion made by: Warner
Commissioners Consenting: Coleman, Friese, Lee, Pool, Raun, Scott-Ryan, Chan
Commissioners Dissenting:
Commissioners Abstaining:
Commissioners Absent: Gonzalez

The Water and Wastewater Commission recommends the Council authorize execution of a professional services agreement with MALCOLM PIRNIE, INC., AUSTIN, TX for preliminary engineering and design services for the Davis Water Treatment Plant Flocculator Improvements in an amount not to exceed \$400,000.00.


Michael Warner, Chairperson
Water and Wastewater Commission

10/05/05
Date